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(54) Title: FLUORESCENT PROTEIN FROM AEQUOREA COERULSCENS AND USES THEREOF

(57) Abstract: The present invention provides nucleic acid compositions encoding a novel colorless GFP-like protein, acGFP, from Aequorea coerulscens and fluorescent and non-fluorescent mutants and derivatives thereof, as well as peptides and proteins encoded by these nucleic acid compositions. The subject protein and nucleic acid compositions of the present invention are colored and/or fluorescent and/or can be photoactivated, and can be used in a variety of different biological applications, particularly for labeling. Finally, kits for use in such biological applications are provided.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/12 C12N15/63 C07K14/435 C12N15/62 C07K16/18
A01K67/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBL

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Y	the whole document	7,18-20
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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